Chapter 1

Foreword

Programme’s After Market Services Technical Documentation

CHAPTER 1– FOREWORD

CONTENTS

	Page No
Introduction	1–3
Service Manual Structure	1–3
Company Policy	1–4
Warnings and Cautions	1–5
Warnings:	1–5
Cautions:	1–5

Programme's After Market Services Technical Documentation

Introduction

Service Manual Structure

The service manual is structured as follows:–

The 'core' service manual

Chapter 1: Foreword

Chapter 2: General Information

Chapter 3 System Overview

Chapter 4: System Module

Chapter 5: Pinouts / Schematics / Layouts

Chapter 6: UIF Modules

The core section of the service manual describes those areas of the NHD–4 series handportable phone which are common to all variants. This includes performance specifications and detailed descriptions of each module including common pcb parts lists. (this may be part of an appendix if it is specific to a variant)

Appendix to the Transceiver booklets

Assembly Parts–NHD 4NX

Quick Guide – Basic users guide.

Service Software – Users guide and tuning instructions.

Service Tools – Pictorial views of tools used.

Disassembly / Troubleshooting – Diagrams and faultfinding information

Nam Programming Guide – Instructions for Nam programming.

Car Kit Installation Guide – duplicates user information supplied with kits.

IMPORTANT

This document is intended for use by qualified service personnel only.

Programme's After Market Services Technical Documentation

Company Policy

Our policy is of continuous development; details of all technical modifications will be included with service bulletins.

While every endeavour has been made to ensure the accuracy of this document, some errors may exist. If any errors are found by the reader, NOKIA MOBILE PHONES Ltd should be notified in writing.

Please state:

Title of the Document + Issue Number/Date of publication

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Warnings and Cautions

Please refer to the phone's user guide for instructions relating to operation, care and maintenance including important safety information. Note also the following:

Warnings:

1. CARE MUST BE TAKEN ON INSTALLATION IN VEHICLES FITTED WITH ELECTRONIC ENGINE MANAGEMENT SYSTEMS AND ANTI–SKID BRAKING SYSTEMS. UNDER CERTAIN FAULT CONDITIONS, EMITTED RF ENERGY CAN AFFECT THEIR OPERATION. IF NECESSARY, CONSULT THE VEHICLE DEALER/MANUFACTURER TO DETERMINE THE IMMUNITY OF VEHICLE ELECTRONIC SYSTEMS TO RF ENERGY.
2. THE HANDPORTABLE TELEPHONE MUST NOT BE OPERATED IN AREAS LIKELY TO CONTAIN POTENTIALLY EXPLOSIVE ATMOSPHERES EG PETROL STATIONS (SERVICE STATIONS), BLASTING AREAS ETC.
3. OPERATION OF ANY RADIO TRANSMITTING EQUIPMENT, INCLUDING CELLULAR TELEPHONES, MAY INTERFERE WITH THE FUNCTIONALITY OF INADEQUATELY PROTECTED MEDICAL DEVICES. CONSULT A PHYSICIAN OR THE MANUFACTURER OF THE MEDICAL DEVICE IF YOU HAVE ANY QUESTIONS. OTHER ELECTRONIC EQUIPMENT MAY ALSO BE SUBJECT TO INTERFERENCE.

Cautions:

1. Servicing and alignment must be undertaken by qualified personnel only.
2. Ensure all work is carried out at an anti–static workstation and that an anti–static wrist strap is worn.
3. Ensure solder, wire, or foreign matter does not enter the telephone as damage may result.
4. Use only approved components as specified in the parts list.
5. Ensure all components, modules screws and insulators are correctly re–fitted after servicing and alignment. Ensure all cables and wires are repositioned correctly.

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